REV. Status

REVISION – 07/23/96 TS

REVISION A REFORMATTED 07/14/97 TS

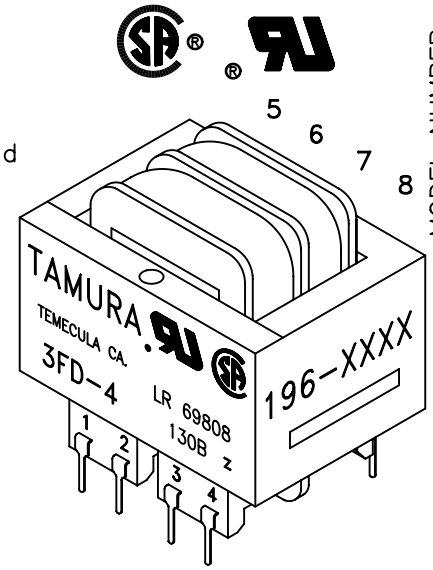
# THREE FLANGE DUAL PRIMARY 6.0VA PC BOARD POWER TRANSFORMER

MODEL NUMBER

3FD-4XX & PSD4-XX

A. Electrical Specifications (@ 25°C)

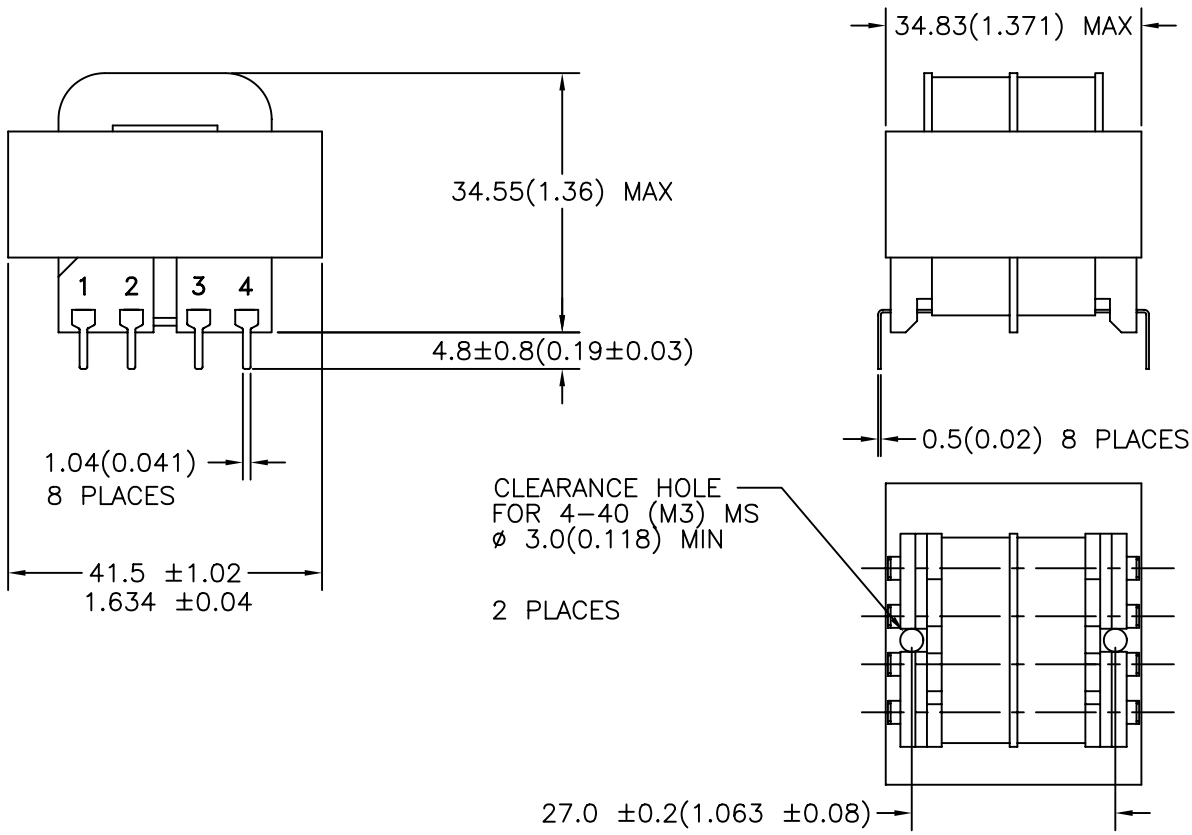
1. Maximum Power: 6.0 VA
2. Input Voltage and Frequency: 115/230V 50/60 Hz
3. Secondary Voltage: See Table A
4. Voltage Regulation: 18% TYP @ full load to no load
5. Temperature Rise: 35°C TYP (45°C MAX allowed)
6. Insulation Resistance:
   100 MΩ MIN @ 500VDC, Pri to Sec, Pri to Core
   100 MΩ MIN @ 500VDC, Sec to Core
7. Hi-Pot: 2500 Vrms 1 minute @ Pri to Sec
   1500 Vrms 1 minute @ Pri to Core
   1500 Vrms 1 minute @ Sec to Core




B. Marking: TAMURA, Tamura part number (see sheet 2), MICROTRAN, Microtran part number (see sheet 2), date code, country of origin, safety logos and input and output ratings

C. Safety:
Insulation Class B (130°C) File No. E92957
CSA 22.2 Nos. 0 and 66, File No. LR69808
UL 1585, Class II and III, File No. E95844
UL 506, General Purpose, File No. E91239

D. Mechanical Specifications:





TRC ELECTRONICS, INC.
"Authorized Distributor"
135 Pasadena Ave.
Lodi, NJ 07644 USA
Tel: (973) 779-8282
Fax: (973) 779-1490
sales@trcelectronics.com
http://www.trcelectronics.com


*Contact TRC for pricing, availability, and technical assistance.*

PREPARED BY: 07/14/97 D. KELLEY

ENGINEER: 07/14/97 T. SHIOZAWA

QUALITY CONTROL: 07/14/97 D. KELLEY

APPROVED: 07/14/97 D. KELLEY

| DRAWING CONTROL NO. | REV | MODEL DESCRIPTION | MODEL SPECIFICATION |
|---|---|---|---|
| P-A1-11163<br>ACAD\3F\A1111631.DWG | A | SIZE 4 3FD & PSD FAMILY<br>POWER TRANSFORMER | 3FD-4XX & PSD4-XX |

CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

TAMURA CORPORATION OF AMERICA
43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624

DIM: mm(In) | SCL: NONE | SH: 1 OF 2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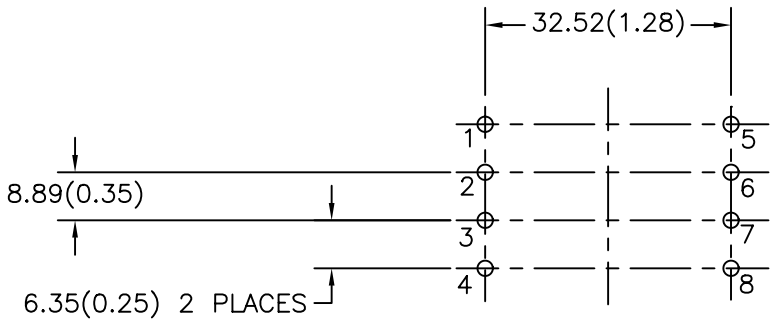
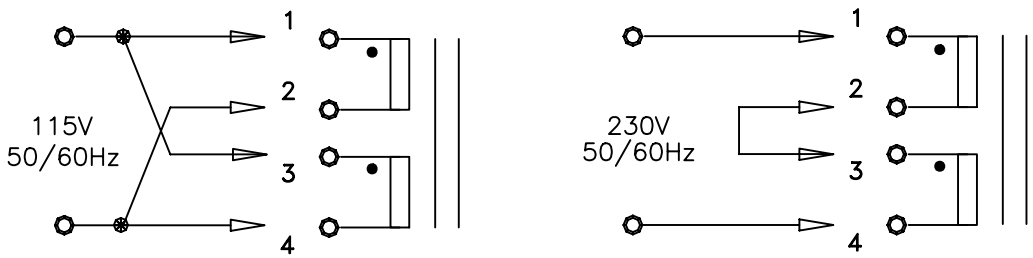
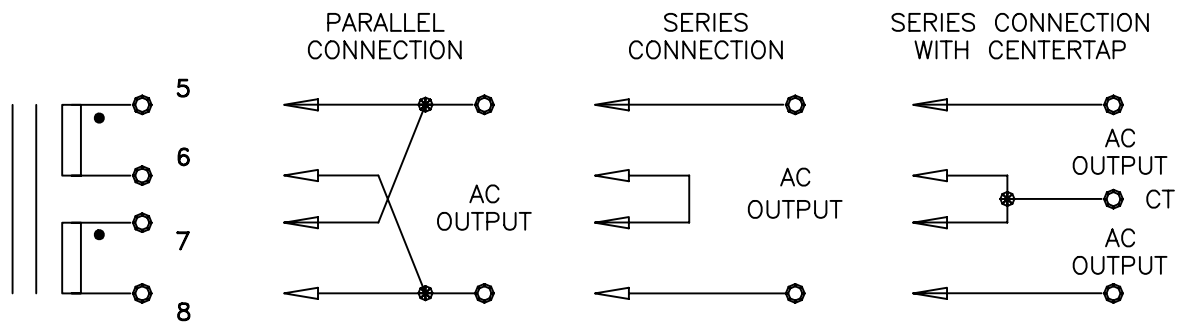
E. Mounting Footprint:




F. Schematic Diagram:




G. Table A: (NOTE: all parts are dual marked with both part numbers)

| TAMURA PART NO. | MICROTRAN PART NO. | PARALLEL CONNECTION | | SERIES CONNECTION | | SERIES CONNECTION WITH CT | |
|---|---|---|---|---|---|---|---|
| | | AC VOLTS | RMS AMPS | AC VOLTS | RMS AMPS | AC VOLTS | RMS AMPS |
| 3FD-410 | PSD4-10 | 5.0 | 1.20 | 10.0 | 0.60 | 5.0-CT-5.0 | 0.60 |
| 3FD-412 | PSD4-12 | 6.3 | 1.00 | 12.6 | 0.50 | 6.3-CT-6.3 | 0.50 |
| 3FD-416 | PSD4-16 | 8.0 | 0.80 | 16.0 | 0.40 | 8.0-CT-8.0 | 0.40 |
| 3FD-420 | PSD4-20 | 10.0 | 0.60 | 20.0 | 0.30 | 10.0-CT-10.0 | 0.30 |
| 3FD-424 | PSD4-24 | 12.0 | 0.50 | 24.0 | 0.25 | 12.0-CT-12.0 | 0.25 |
| 3FD-428 | PSD4-28 | 14.0 | 0.40 | 28.0 | 0.20 | 14.0-CT-14.0 | 0.20 |
| 3FD-436 | PSD4-36 | 18.0 | 0.34 | 36.0 | 0.17 | 18.0-CT-18.0 | 0.17 |
| 3FD-448 | PSD4-48 | 24.0 | 0.25 | 48.0 | 0.125 | 24.0-CT-24.0 | 0.125 |
| 3FD-456 | PSD4-56 | 28.0 | 0.22 | 56.0 | 0.11 | 28.0-CT-28.0 | 0.11 |
| 3FD-4120 | PSD4-120 | 60.0 | 0.10 | 120.0 | 0.05 | 60.0-CT-60.0 | 0.05 |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DRAWING CONTROL NO. P-A1-11163 ACAD\3F\A1111632.DWG

REV A

MODEL DESCRIPTION: SIZE 4 3FD/PSD FAMILY POWER TRANSFORMER

MODEL SPECIFICATION: 3FD-4XX & PSD4-XX

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